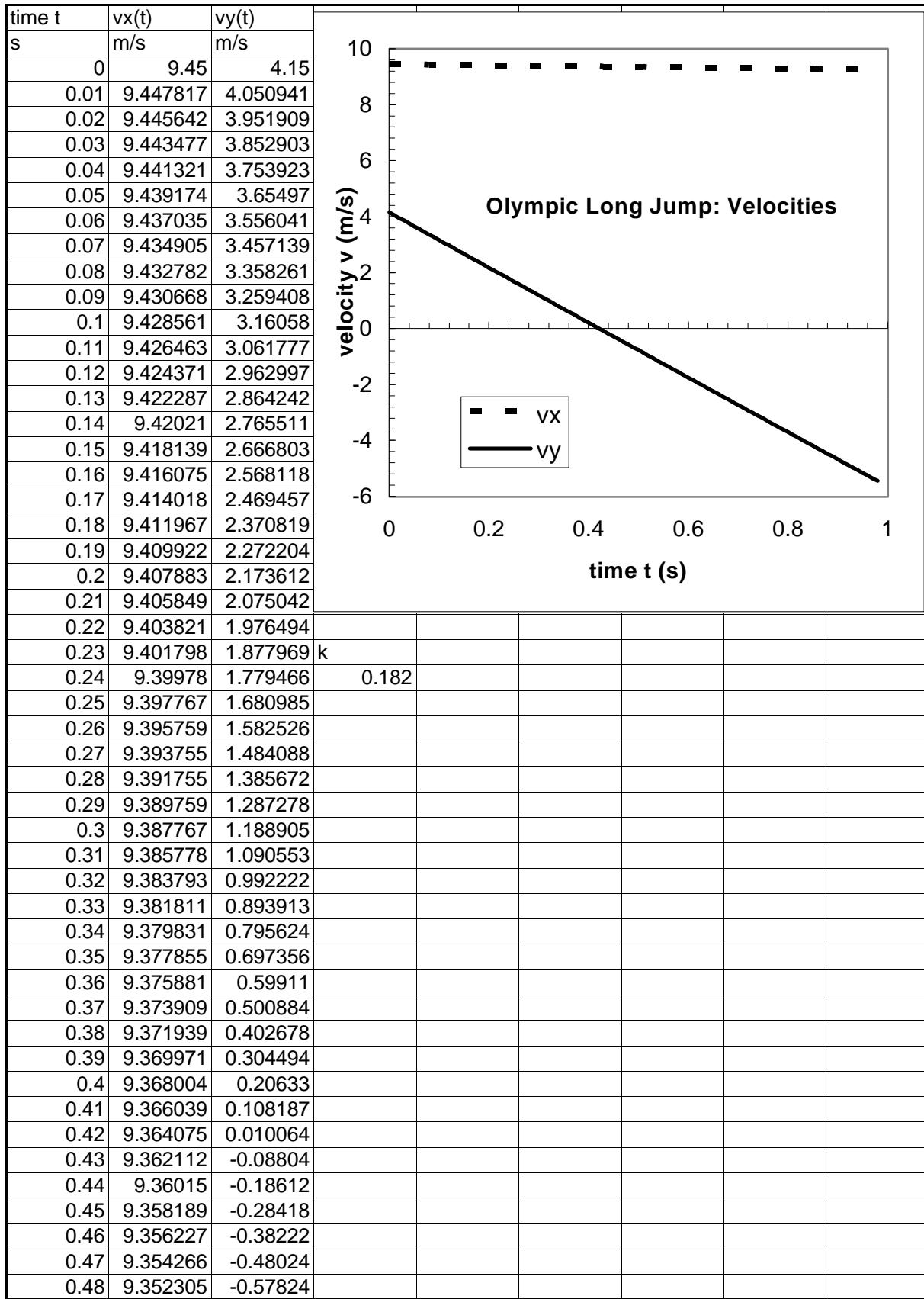


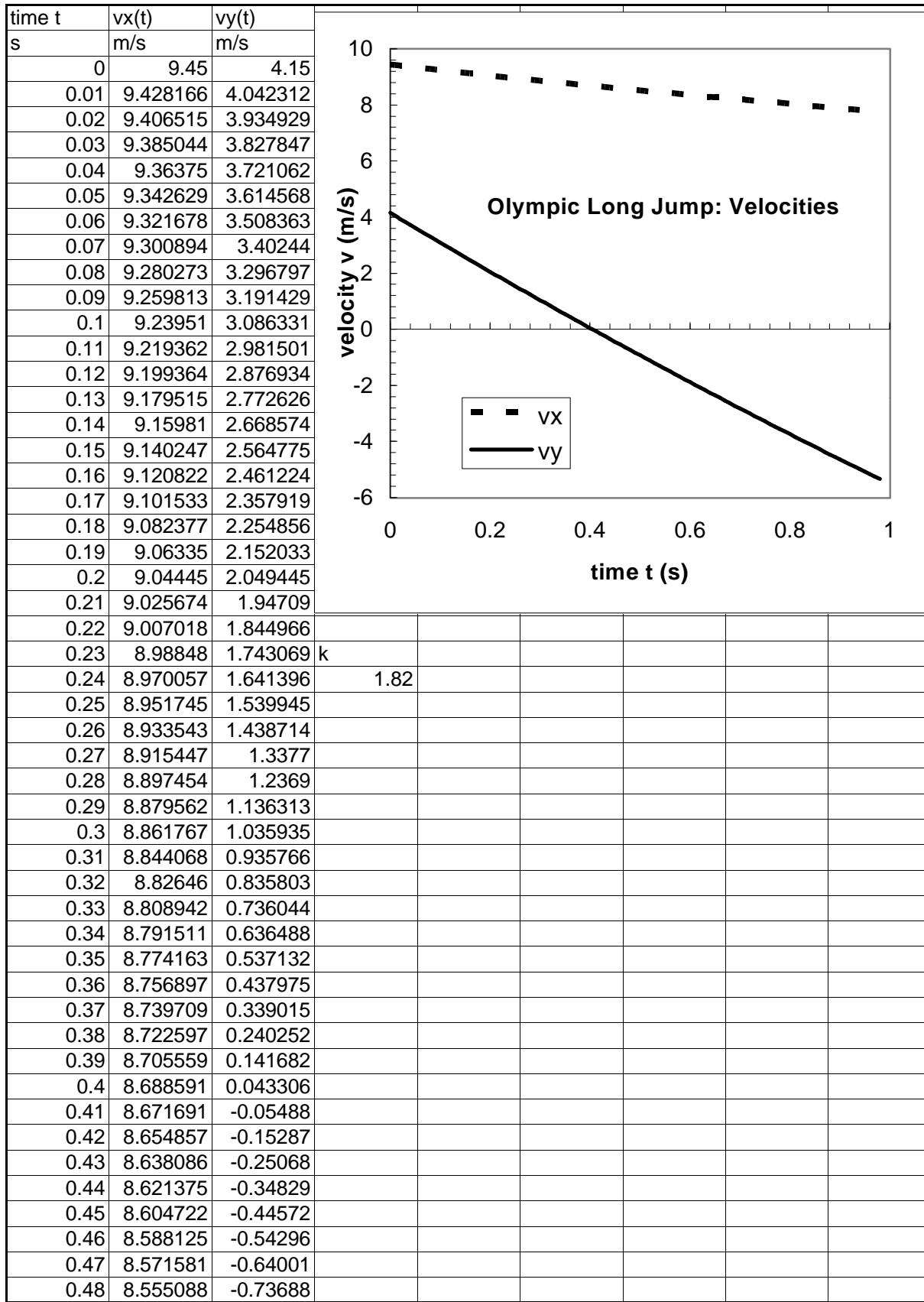
Velocity



Velocity

| | | | | | | | | |
|------|----------|----------|--|--|--|--|--|--|
| 0.49 | 9.350343 | -0.67622 | | | | | | |
| 0.5 | 9.348381 | -0.77418 | | | | | | |
| 0.51 | 9.346417 | -0.87212 | | | | | | |
| 0.52 | 9.344453 | -0.97003 | | | | | | |
| 0.53 | 9.342488 | -1.06793 | | | | | | |
| 0.54 | 9.340522 | -1.1658 | | | | | | |
| 0.55 | 9.338553 | -1.26366 | | | | | | |
| 0.56 | 9.336583 | -1.36149 | | | | | | |
| 0.57 | 9.334611 | -1.4593 | | | | | | |
| 0.58 | 9.332637 | -1.55709 | | | | | | |
| 0.59 | 9.33066 | -1.65486 | | | | | | |
| 0.6 | 9.328681 | -1.75261 | | | | | | |
| 0.61 | 9.326699 | -1.85034 | | | | | | |
| 0.62 | 9.324713 | -1.94805 | | | | | | |
| 0.63 | 9.322725 | -2.04573 | | | | | | |
| 0.64 | 9.320733 | -2.14339 | | | | | | |
| 0.65 | 9.318737 | -2.24104 | | | | | | |
| 0.66 | 9.316738 | -2.33866 | | | | | | |
| 0.67 | 9.314735 | -2.43625 | | | | | | |
| 0.68 | 9.312727 | -2.53383 | | | | | | |
| 0.69 | 9.310715 | -2.63138 | | | | | | |
| 0.7 | 9.308698 | -2.72891 | | | | | | |
| 0.71 | 9.306677 | -2.82642 | | | | | | |
| 0.72 | 9.30465 | -2.9239 | | | | | | |
| 0.73 | 9.302619 | -3.02136 | | | | | | |
| 0.74 | 9.300582 | -3.1188 | | | | | | |
| 0.75 | 9.29854 | -3.21622 | | | | | | |
| 0.76 | 9.296492 | -3.31361 | | | | | | |
| 0.77 | 9.294438 | -3.41098 | | | | | | |
| 0.78 | 9.292378 | -3.50832 | | | | | | |
| 0.79 | 9.290311 | -3.60564 | | | | | | |
| 0.8 | 9.288239 | -3.70294 | | | | | | |
| 0.81 | 9.28616 | -3.80021 | | | | | | |
| 0.82 | 9.284074 | -3.89745 | | | | | | |
| 0.83 | 9.281981 | -3.99468 | | | | | | |
| 0.84 | 9.279882 | -4.09187 | | | | | | |
| 0.85 | 9.277775 | -4.18904 | | | | | | |
| 0.86 | 9.275661 | -4.28619 | | | | | | |
| 0.87 | 9.273539 | -4.38331 | | | | | | |
| 0.88 | 9.271409 | -4.4804 | | | | | | |
| 0.89 | 9.269272 | -4.57747 | | | | | | |
| 0.9 | 9.267127 | -4.67451 | | | | | | |
| 0.91 | 9.264974 | -4.77152 | | | | | | |
| 0.92 | 9.262812 | -4.86851 | | | | | | |
| 0.93 | 9.260643 | -4.96547 | | | | | | |
| 0.94 | 9.258464 | -5.0624 | | | | | | |
| 0.95 | 9.256277 | -5.15931 | | | | | | |
| 0.96 | 9.254081 | -5.25618 | | | | | | |
| 0.97 | 9.251877 | -5.35303 | | | | | | |
| 0.98 | 9.249663 | -5.44985 | | | | | | |

Velocity2



Velocity2

| | | | | | | | | |
|------|----------|----------|--|--|--|--|--|--|
| 0.49 | 8.538643 | -0.83356 | | | | | | |
| 0.5 | 8.522244 | -0.93006 | | | | | | |
| 0.51 | 8.505889 | -1.02638 | | | | | | |
| 0.52 | 8.489575 | -1.12251 | | | | | | |
| 0.53 | 8.473301 | -1.21846 | | | | | | |
| 0.54 | 8.457063 | -1.31422 | | | | | | |
| 0.55 | 8.44086 | -1.40981 | | | | | | |
| 0.56 | 8.424689 | -1.5052 | | | | | | |
| 0.57 | 8.408549 | -1.60042 | | | | | | |
| 0.58 | 8.392437 | -1.69545 | | | | | | |
| 0.59 | 8.376351 | -1.7903 | | | | | | |
| 0.6 | 8.36029 | -1.88497 | | | | | | |
| 0.61 | 8.344251 | -1.97946 | | | | | | |
| 0.62 | 8.328231 | -2.07376 | | | | | | |
| 0.63 | 8.312231 | -2.16787 | | | | | | |
| 0.64 | 8.296246 | -2.2618 | | | | | | |
| 0.65 | 8.280276 | -2.35555 | | | | | | |
| 0.66 | 8.264318 | -2.44911 | | | | | | |
| 0.67 | 8.248372 | -2.54248 | | | | | | |
| 0.68 | 8.232434 | -2.63567 | | | | | | |
| 0.69 | 8.216504 | -2.72867 | | | | | | |
| 0.7 | 8.200579 | -2.82148 | | | | | | |
| 0.71 | 8.184659 | -2.9141 | | | | | | |
| 0.72 | 8.16874 | -3.00654 | | | | | | |
| 0.73 | 8.152823 | -3.09878 | | | | | | |
| 0.74 | 8.136905 | -3.19083 | | | | | | |
| 0.75 | 8.120984 | -3.28268 | | | | | | |
| 0.76 | 8.10506 | -3.37435 | | | | | | |
| 0.77 | 8.089131 | -3.46582 | | | | | | |
| 0.78 | 8.073195 | -3.55709 | | | | | | |
| 0.79 | 8.057251 | -3.64816 | | | | | | |
| 0.8 | 8.041298 | -3.73904 | | | | | | |
| 0.81 | 8.025334 | -3.82972 | | | | | | |
| 0.82 | 8.009359 | -3.92019 | | | | | | |
| 0.83 | 7.99337 | -4.01047 | | | | | | |
| 0.84 | 7.977368 | -4.10054 | | | | | | |
| 0.85 | 7.96135 | -4.19041 | | | | | | |
| 0.86 | 7.945315 | -4.28007 | | | | | | |
| 0.87 | 7.929264 | -4.36952 | | | | | | |
| 0.88 | 7.913193 | -4.45876 | | | | | | |
| 0.89 | 7.897103 | -4.5478 | | | | | | |
| 0.9 | 7.880993 | -4.63662 | | | | | | |
| 0.91 | 7.864861 | -4.72523 | | | | | | |
| 0.92 | 7.848707 | -4.81362 | | | | | | |
| 0.93 | 7.83253 | -4.9018 | | | | | | |
| 0.94 | 7.816329 | -4.98976 | | | | | | |
| 0.95 | 7.800103 | -5.0775 | | | | | | |
| 0.96 | 7.783851 | -5.16503 | | | | | | |
| 0.97 | 7.767574 | -5.25232 | | | | | | |
| 0.98 | 7.751269 | -5.3394 | | | | | | |

Position

| rho | 0.984 | | rho | 1.968 | | k | 0.364 | |
|--------|----------|----------|--------|----------|----------|--------|----------|----------|
| time t | x | y | time t | x | y | time t | x | y |
| (s) | (m) | (m) | (s) | (m) | (m) | (s) | (m) | (m) |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.01 | 0.094489 | 0.041005 | 0.01 | 0.094478 | 0.041 | 0.01 | 0.094478 | 0.041 |
| 0.02 | 0.188956 | 0.081019 | 0.02 | 0.188913 | 0.081 | 0.02 | 0.188913 | 0.081 |
| 0.03 | 0.283402 | 0.120043 | 0.03 | 0.283304 | 0.120001 | 0.03 | 0.283304 | 0.120001 |
| 0.04 | 0.377826 | 0.158077 | 0.04 | 0.377652 | 0.158002 | 0.04 | 0.377652 | 0.158002 |
| 0.05 | 0.472228 | 0.195122 | 0.05 | 0.471957 | 0.195006 | 0.05 | 0.471957 | 0.195006 |
| 0.06 | 0.566609 | 0.231177 | 0.06 | 0.56622 | 0.231012 | 0.06 | 0.56622 | 0.231012 |
| 0.07 | 0.660969 | 0.266243 | 0.07 | 0.660439 | 0.26602 | 0.07 | 0.660439 | 0.26602 |
| 0.08 | 0.755308 | 0.30032 | 0.08 | 0.754617 | 0.300032 | 0.08 | 0.754617 | 0.300032 |
| 0.09 | 0.849625 | 0.333408 | 0.09 | 0.848752 | 0.333047 | 0.09 | 0.848752 | 0.333047 |
| 0.1 | 0.943921 | 0.365508 | 0.1 | 0.942845 | 0.365067 | 0.1 | 0.942845 | 0.365067 |
| 0.11 | 1.038196 | 0.39662 | 0.11 | 1.036896 | 0.396091 | 0.11 | 1.036896 | 0.396091 |
| 0.12 | 1.13245 | 0.426744 | 0.12 | 1.130906 | 0.426121 | 0.12 | 1.130906 | 0.426121 |
| 0.13 | 1.226684 | 0.455588 | 0.13 | 1.224874 | 0.455156 | 0.13 | 1.224874 | 0.455156 |
| 0.14 | 1.320896 | 0.484028 | 0.14 | 1.3188 | 0.483198 | 0.14 | 1.3188 | 0.483198 |
| 0.15 | 1.415088 | 0.511119 | 0.15 | 1.412686 | 0.510246 | 0.15 | 1.412686 | 0.510246 |
| 0.16 | 1.509259 | 0.537365 | 0.16 | 1.50653 | 0.536302 | 0.16 | 1.50653 | 0.536302 |
| 0.17 | 1.603409 | 0.562553 | 0.17 | 1.600333 | 0.561365 | 0.17 | 1.600333 | 0.561365 |
| 0.18 | 1.697539 | 0.586754 | 0.18 | 1.694096 | 0.585436 | 0.18 | 1.694096 | 0.585436 |
| 0.19 | 1.791649 | 0.609969 | 0.19 | 1.787818 | 0.608516 | 0.19 | 1.787818 | 0.608516 |
| 0.2 | 1.885738 | 0.632198 | 0.2 | 1.881499 | 0.630605 | 0.2 | 1.881499 | 0.630605 |
| 0.21 | 1.979806 | 0.653441 | 0.21 | 1.97514 | 0.651703 | 0.21 | 1.97514 | 0.651703 |
| 0.22 | 2.073855 | 0.673699 | 0.22 | 2.068741 | 0.671811 | 0.22 | 2.068741 | 0.671811 |
| 0.23 | 2.167883 | 0.692971 | 0.23 | 2.162302 | 0.69093 | 0.23 | 2.162302 | 0.69093 |
| 0.24 | 2.261891 | 0.711259 | 0.24 | 2.255823 | 0.70906 | 0.24 | 2.255823 | 0.70906 |
| 0.25 | 2.355879 | 0.728561 | 0.25 | 2.349303 | 0.7262 | 0.25 | 2.349303 | 0.7262 |
| 0.26 | 2.449846 | 0.744878 | 0.26 | 2.442745 | 0.742353 | 0.26 | 2.442745 | 0.742353 |
| 0.27 | 2.543794 | 0.760211 | 0.27 | 2.536146 | 0.757517 | 0.27 | 2.536146 | 0.757517 |
| 0.28 | 2.637721 | 0.77456 | 0.28 | 2.629508 | 0.771694 | 0.28 | 2.629508 | 0.771694 |
| 0.29 | 2.731629 | 0.787925 | 0.29 | 2.72283 | 0.784884 | 0.29 | 2.72283 | 0.784884 |
| 0.3 | 2.825516 | 0.800306 | 0.3 | 2.816113 | 0.797088 | 0.3 | 2.816113 | 0.797088 |
| 0.31 | 2.919384 | 0.811703 | 0.31 | 2.909357 | 0.808306 | 0.31 | 2.909357 | 0.808306 |
| 0.32 | 3.013232 | 0.822117 | 0.32 | 3.002561 | 0.818537 | 0.32 | 3.002561 | 0.818537 |
| 0.33 | 3.10706 | 0.831548 | 0.33 | 3.095727 | 0.827784 | 0.33 | 3.095727 | 0.827784 |
| 0.34 | 3.200868 | 0.839995 | 0.34 | 3.188853 | 0.836045 | 0.34 | 3.188853 | 0.836045 |
| 0.35 | 3.294657 | 0.84746 | 0.35 | 3.28194 | 0.843322 | 0.35 | 3.28194 | 0.843322 |
| 0.36 | 3.388425 | 0.853943 | 0.36 | 3.374988 | 0.849615 | 0.36 | 3.374988 | 0.849615 |
| 0.37 | 3.482174 | 0.859443 | 0.37 | 3.467998 | 0.854925 | 0.37 | 3.467998 | 0.854925 |
| 0.38 | 3.575904 | 0.86396 | 0.38 | 3.560969 | 0.859251 | 0.38 | 3.560969 | 0.859251 |
| 0.39 | 3.669613 | 0.867496 | 0.39 | 3.653901 | 0.862594 | 0.39 | 3.653901 | 0.862594 |
| 0.4 | 3.763303 | 0.87005 | 0.4 | 3.746794 | 0.864955 | 0.4 | 3.746794 | 0.864955 |
| 0.41 | 3.856973 | 0.871623 | 0.41 | 3.839649 | 0.866334 | 0.41 | 3.839649 | 0.866334 |
| 0.42 | 3.950624 | 0.872214 | 0.42 | 3.932465 | 0.866732 | 0.42 | 3.932465 | 0.866732 |
| 0.43 | 4.044255 | 0.871824 | 0.43 | 4.025242 | 0.866148 | 0.43 | 4.025242 | 0.866148 |
| 0.44 | 4.137866 | 0.870454 | 0.44 | 4.117981 | 0.864584 | 0.44 | 4.117981 | 0.864584 |
| 0.45 | 4.231458 | 0.868102 | 0.45 | 4.210682 | 0.862039 | 0.45 | 4.210682 | 0.862039 |
| 0.46 | 4.32503 | 0.86477 | 0.46 | 4.303344 | 0.858514 | 0.46 | 4.303344 | 0.858514 |
| 0.47 | 4.418582 | 0.860458 | 0.47 | 4.395967 | 0.85401 | 0.47 | 4.395967 | 0.85401 |

Position

| | | | | | | | | |
|------|----------|----------|------|----------|----------|------|----------|----------|
| 0.48 | 4.512115 | 0.855165 | 0.48 | 4.488552 | 0.848526 | 0.48 | 4.488552 | 0.848526 |
| 0.49 | 4.605628 | 0.848893 | 0.49 | 4.581099 | 0.842064 | 0.49 | 4.581099 | 0.842064 |
| 0.5 | 4.699122 | 0.841641 | 0.5 | 4.673607 | 0.834624 | 0.5 | 4.673607 | 0.834624 |
| 0.51 | 4.792596 | 0.83341 | 0.51 | 4.766076 | 0.826205 | 0.51 | 4.766076 | 0.826205 |
| 0.52 | 4.88605 | 0.824199 | 0.52 | 4.858508 | 0.81681 | 0.52 | 4.858508 | 0.81681 |
| 0.53 | 4.979485 | 0.814009 | 0.53 | 4.9509 | 0.806437 | 0.53 | 4.9509 | 0.806437 |
| 0.54 | 5.0729 | 0.80284 | 0.54 | 5.043255 | 0.795087 | 0.54 | 5.043255 | 0.795087 |
| 0.55 | 5.166295 | 0.790693 | 0.55 | 5.135571 | 0.782761 | 0.55 | 5.135571 | 0.782761 |
| 0.56 | 5.259671 | 0.777567 | 0.56 | 5.227848 | 0.769459 | 0.56 | 5.227848 | 0.769459 |
| 0.57 | 5.353027 | 0.763463 | 0.57 | 5.320087 | 0.755182 | 0.57 | 5.320087 | 0.755182 |
| 0.58 | 5.446363 | 0.748381 | 0.58 | 5.412287 | 0.73993 | 0.58 | 5.412287 | 0.73993 |
| 0.59 | 5.53968 | 0.732322 | 0.59 | 5.504449 | 0.723703 | 0.59 | 5.504449 | 0.723703 |
| 0.6 | 5.632977 | 0.715284 | 0.6 | 5.596572 | 0.706502 | 0.6 | 5.596572 | 0.706502 |
| 0.61 | 5.726253 | 0.69727 | 0.61 | 5.688656 | 0.688327 | 0.61 | 5.688656 | 0.688327 |
| 0.62 | 5.81951 | 0.678278 | 0.62 | 5.780702 | 0.669179 | 0.62 | 5.780702 | 0.669179 |
| 0.63 | 5.912748 | 0.658309 | 0.63 | 5.872709 | 0.649058 | 0.63 | 5.872709 | 0.649058 |
| 0.64 | 6.005965 | 0.637363 | 0.64 | 5.964677 | 0.627964 | 0.64 | 5.964677 | 0.627964 |
| 0.65 | 6.099162 | 0.615441 | 0.65 | 6.056607 | 0.605898 | 0.65 | 6.056607 | 0.605898 |
| 0.66 | 6.19234 | 0.592542 | 0.66 | 6.148497 | 0.582861 | 0.66 | 6.148497 | 0.582861 |
| 0.67 | 6.285497 | 0.568668 | 0.67 | 6.240349 | 0.558852 | 0.67 | 6.240349 | 0.558852 |
| 0.68 | 6.378634 | 0.543818 | 0.68 | 6.332161 | 0.533873 | 0.68 | 6.332161 | 0.533873 |
| 0.69 | 6.471752 | 0.517991 | 0.69 | 6.423935 | 0.507923 | 0.69 | 6.423935 | 0.507923 |
| 0.7 | 6.564849 | 0.49119 | 0.7 | 6.515669 | 0.481003 | 0.7 | 6.515669 | 0.481003 |
| 0.71 | 6.657926 | 0.463413 | 0.71 | 6.607364 | 0.453114 | 0.71 | 6.607364 | 0.453114 |
| 0.72 | 6.750982 | 0.434662 | 0.72 | 6.699019 | 0.424256 | 0.72 | 6.699019 | 0.424256 |
| 0.73 | 6.844019 | 0.404936 | 0.73 | 6.790635 | 0.394429 | 0.73 | 6.790635 | 0.394429 |
| 0.74 | 6.937035 | 0.374235 | 0.74 | 6.882212 | 0.363634 | 0.74 | 6.882212 | 0.363634 |
| 0.75 | 7.03003 | 0.34256 | 0.75 | 6.973749 | 0.331871 | 0.75 | 6.973749 | 0.331871 |
| 0.76 | 7.123005 | 0.30991 | 0.76 | 7.065246 | 0.299141 | 0.76 | 7.065246 | 0.299141 |
| 0.77 | 7.21596 | 0.276288 | 0.77 | 7.156703 | 0.265445 | 0.77 | 7.156703 | 0.265445 |
| 0.78 | 7.308894 | 0.241691 | 0.78 | 7.248121 | 0.230782 | 0.78 | 7.248121 | 0.230782 |
| 0.79 | 7.401807 | 0.206121 | 0.79 | 7.339498 | 0.195153 | 0.79 | 7.339498 | 0.195153 |
| 0.8 | 7.4947 | 0.169578 | 0.8 | 7.430836 | 0.158559 | 0.8 | 7.430836 | 0.158559 |
| 0.81 | 7.587572 | 0.132063 | 0.81 | 7.522133 | 0.121 | 0.81 | 7.522133 | 0.121 |
| 0.82 | 7.680423 | 0.093574 | 0.82 | 7.61339 | 0.082477 | 0.82 | 7.61339 | 0.082477 |
| 0.83 | 7.773254 | 0.054114 | 0.83 | 7.704606 | 0.042989 | 0.83 | 7.704606 | 0.042989 |
| 0.84 | 7.866063 | 0.013681 | 0.84 | 7.795782 | 0.002539 | 0.84 | 7.795782 | 0.002539 |
| 0.85 | 7.958851 | -0.02772 | 0.85 | 7.886917 | -0.03888 | 0.85 | 7.886917 | -0.03888 |
| 0.86 | 8.051618 | -0.0701 | 0.86 | 7.978011 | -0.08125 | 0.86 | 7.978011 | -0.08125 |
| 0.87 | 8.144364 | -0.11345 | 0.87 | 8.069064 | -0.12459 | 0.87 | 8.069064 | -0.12459 |
| 0.88 | 8.237089 | -0.15777 | 0.88 | 8.160076 | -0.16889 | 0.88 | 8.160076 | -0.16889 |
| 0.89 | 8.329793 | -0.20306 | 0.89 | 8.251047 | -0.21415 | 0.89 | 8.251047 | -0.21415 |
| 0.9 | 8.422475 | -0.24932 | 0.9 | 8.341976 | -0.26037 | 0.9 | 8.341976 | -0.26037 |
| 0.91 | 8.515135 | -0.29655 | 0.91 | 8.432864 | -0.30755 | 0.91 | 8.432864 | -0.30755 |
| 0.92 | 8.607774 | -0.34475 | 0.92 | 8.523711 | -0.35569 | 0.92 | 8.523711 | -0.35569 |
| 0.93 | 8.700391 | -0.39392 | 0.93 | 8.614515 | -0.40479 | 0.93 | 8.614515 | -0.40479 |
| 0.94 | 8.792987 | -0.44405 | 0.94 | 8.705278 | -0.45485 | 0.94 | 8.705278 | -0.45485 |
| 0.95 | 8.885561 | -0.49516 | 0.95 | 8.795998 | -0.50586 | 0.95 | 8.795998 | -0.50586 |
| 0.96 | 8.978112 | -0.54724 | 0.96 | 8.886676 | -0.55783 | 0.96 | 8.886676 | -0.55783 |
| 0.97 | 9.070642 | -0.60029 | 0.97 | 8.977312 | -0.61076 | 0.97 | 8.977312 | -0.61076 |

